

Fig. 1

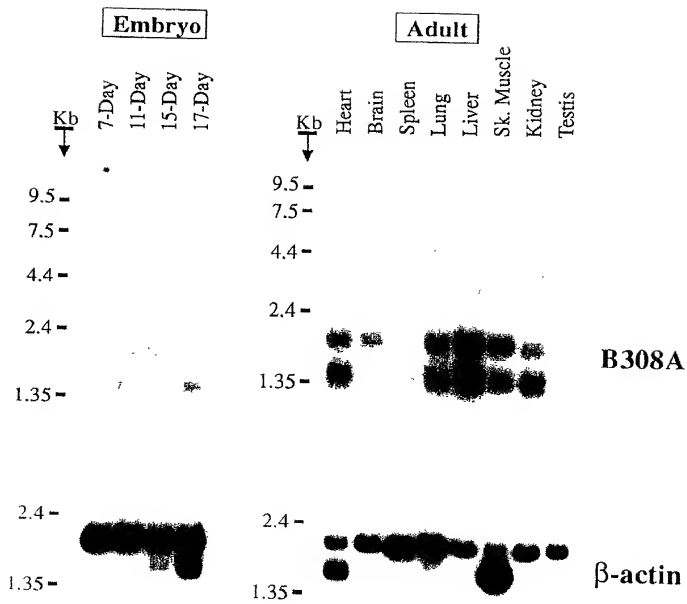


Fig. 2

1 TTGCCCTCAA CAAAGATGGT CTTTATGGTA CAGGTTCCCT AGCAGTCTGG
51 ATTCCGGTGT TAGTTTTAGT TATTCTTTTT TTTTTTTTTT TAAACGGTAC
101 GTGGTCGCAG ACGAAGAAAT GGAAGCCAGA GACAAGCAGG TACTCCGCTC
151 CCTGCGTCTG GAGCTGGGTG CCGAGGTACT GGTGGAAGGA CTGTTCTTC
201 AGTACCTTTA CCAGGAAGGA ATTTTGACAG AAAACCACAT TCAAGAAATC
251 AAAGCTCAAA CCACAGGCCT CCGAAGACA ATGCTGTTGC TGGACATCCT
301 GCCTTCCAGG GGCCCCAAG CTTTGGACAC CTTCCTCGAT TCCCTCCAGG
351 AATTTCCCTG GGTAAAGAG AAGCTGGAGA AGGCGAGAGA GGAAGTCTCA
401 GCCGAGCTGC CTACAGGTGA CTGGATGGCC GGAATCCCCT CACACATCCT
451 CAGCAGCTCG CCATCAGACC AGCAGATTAA CCAGCTGGCT CAGAGGCTAG
501 GCCCGGAGTG GGAGCCCGTG GTCTGTCTC TGGGACTGTC CCAGACCGAC
551 ATCTACCGCT GCAAGGCCAA CCATCCCAC AACGTGCATT CGCAGGTGGT
601 GGAGGCCTTT GTCCGCTGGC GCCAGCGTTT TGGGAAGCAG GCCACCTTCC
651 TAAGCTTACA CAAGGGCCTC CAGGCAATGG AGGCTGATCC TCCCTGTCTC
701 CAGCACATGC TGGAGTGACC TGACCCCCC CCGGCCCCC CCCCCACTTG
751 CTGTGGGGT GGTGGGGCT GGGTCCCAA GTCACACTGG CTGAACCGGA
801 CTTTCTCTAG CAGGTGGCTT TGTCTGGGC TTTTCAGTGA TCTGTTTACG
851 GAAAGAGATC GTCCACCACT CACTCAACCA TCGATTGGCT TTAATTGCTT
901 GAAGACTGCG CTGTTGTAAC TATGTTTGG AACTTTTGG CTGGCCTTTA
951 ACAGGAGGCC AGAAAAACA CAACACCCAC CCTACCCAAC CCCCCAAAA
1001 ATCATGCTAC AGCATCGAAT GCAGGTGTCC TGCATACAAG GCAGCTACAC
1051 TTGTGTTGCC TGGAGACTGG ATTGTGCATT TAGCTCTTCA TAATGGTGAT
1101 GATAATAAAA AAGCAAATTG TGATATAGAA TGTGCTCTT TCAATGAGAG
1151 AGTATTATAT CACACACACA CACACACACA CACACACACA TACACACACA
1201 CACACCAATC TTCTGTTGCA TAGACGGAGG GTGTAAAAAT ATGGAGGTGG
1251 AGCAAGATTG ATAGCAGTCA TGTGACGACG GAGATAAATA ACTCAGGCAG
1301 GATGTATAGA TTAAGCATGA GACACCGAAG CTCCCTGCAG AGGCCAGGGA
1351 GAGAACGGAA GACCTTCATC TTAACAAATT GTATGAGGAG TCTCTGTCCA
1401 TTTGTTAAAG GCATTGGATC AGAGACAAGA GGGCTCAGTG TTTCTCTTGA
1451 GGCCTGAATG GCTGAAGGCG GTGAGTTCCT GAGGGGCGTC ATGGGTTGTC
1501 CAGCCTTTCA TTAACGACAC ATAGTGTAG CCAGACAGGT GTACGTGTTT
1551 GTCATCCCAT CTAAGAGACT GAAGCAGGAG GATCACCTGT ACATGACTGC
1601 TTCTTTCAAC ATTTTAAAT GTGTAACCTC TATTAATTC TCTCAGTGCA
1651 AAAAAAAAAA AAAAAA

Fig. 3A

MEARDKQVLRSLRLELGAEVLVEGLVLQYLYQEGILTENHIQEIKAQTTG
 LRKTMILLDILPSRGPKAFDTFLDSLQEFFWVREKLEKAREEVS AELPTG
 DWMAGIPSHILSSSPSDQQINQLAQR LGPEWEPVVL SLGLSQTDIYRCKA
 NHPHNVHSQVVEAFVRWRQRFGKQATFLSLHKGLQAMEADPSLLQHMLE"

Fig. 3B

(1) →
 1 GAAGAAATGG AAGCCAGAGA CAAGCAGGTA CTCCGCTCCC TCGCTCTGGA
 (2) →
 51 GCTGGGTGCC GAGGTACTGG TGAAGGACT GGTCTTCAG TACCTTTACC
 101 AGGAAGGAAT TTGACAGAA AACCACATTC AAGAAATCAA AGCTCAAACC ←
 (3) ←
 151 ACAGGCCTCC GGAAGACAAT GCTGTTGCTG GACATCCTGC CTCCAGGGG
 (4) ←
 201 CCCCAAAGCT TTGACACCTT TCCTCGATTC CCTCCAGGAA TTTCCTTGGG
 251 TAAGAGAGAA GCTGGAGAAG GCGAGAGAGG AAGTCTCAGC CGAGCTGCCT
 301 ACAG

Fig. 4

1 ggaaatggag gctagagaca agcaagtget tcgctccctt cgctggagt
 51 tgggtgcaga ggtactggtg gaggggctag tcctccagta tctttatcag
 101 gaaggggtct tgacagaaag ccacgttcaa gaaattaaag ctcaagccac
 151 aggcctccgg

Fig. 5

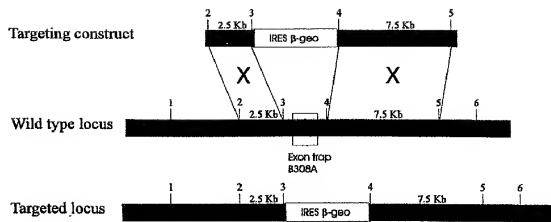


Fig. 6

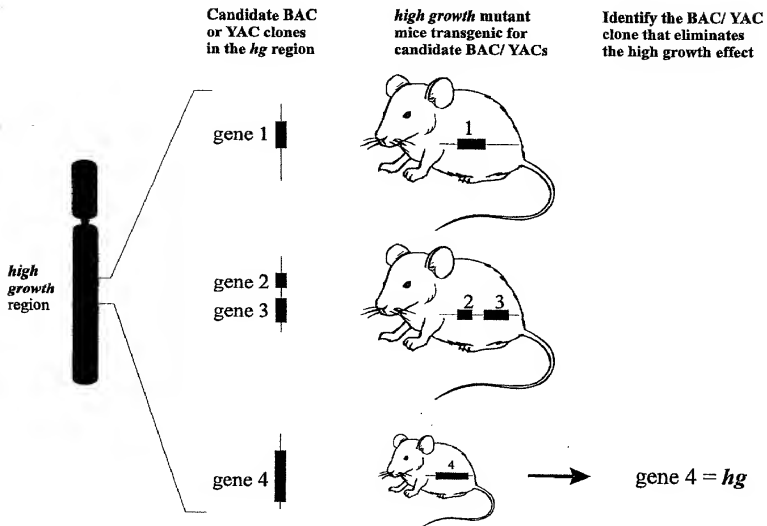


Fig. 7

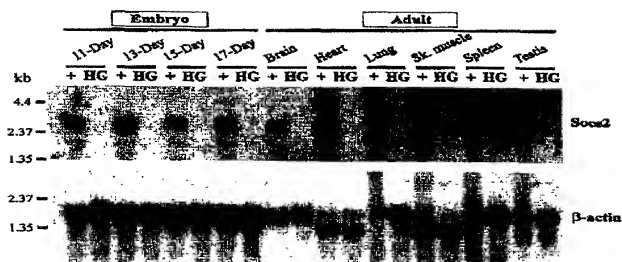


Fig. 8

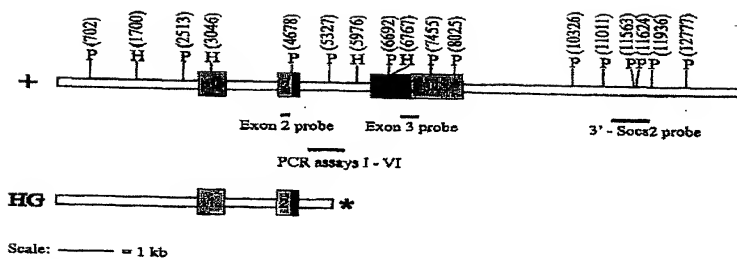


Fig 9a

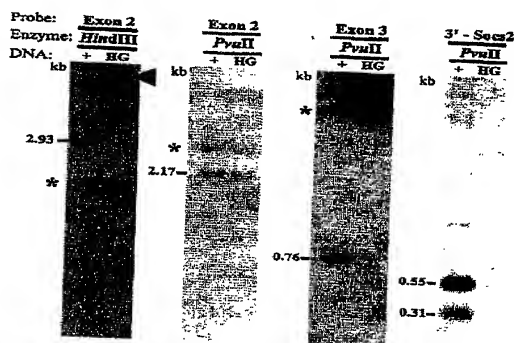


Fig 9b

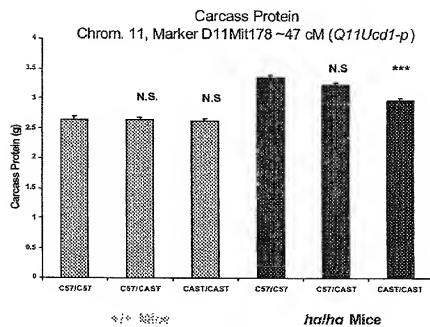
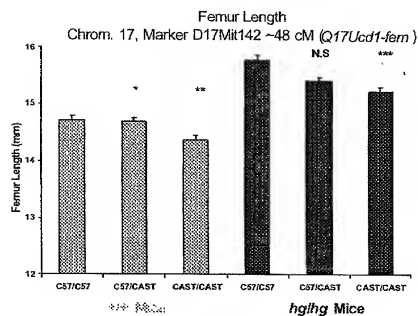
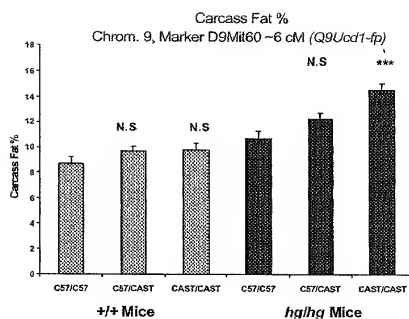
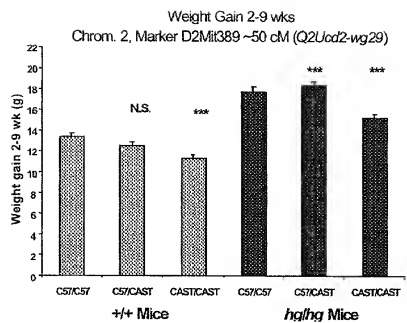
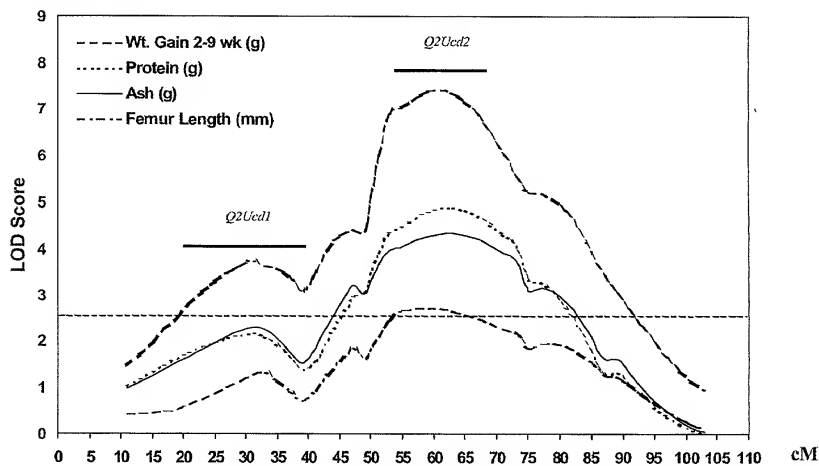


Fig. 11

A: *hglhg* mice



B: *+/+* mice

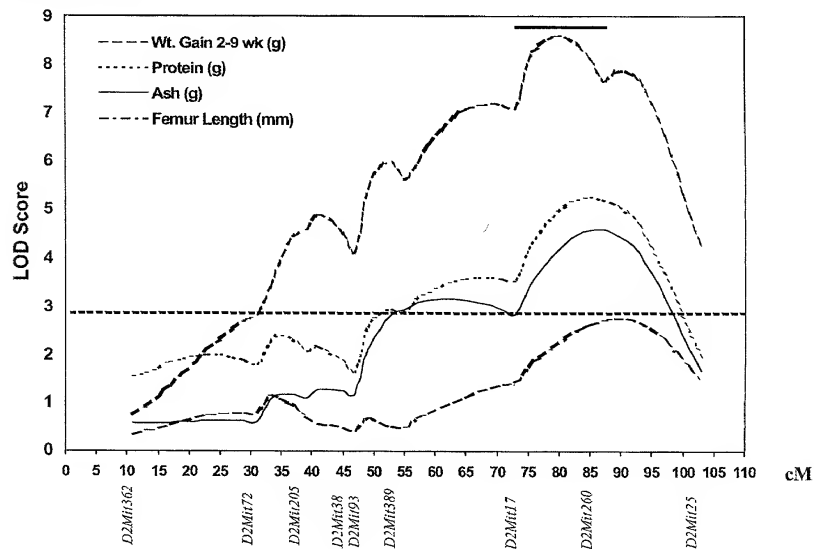


Fig. 12

Deletion breakpoint in
intron 2 of *Socs2/Cish2*

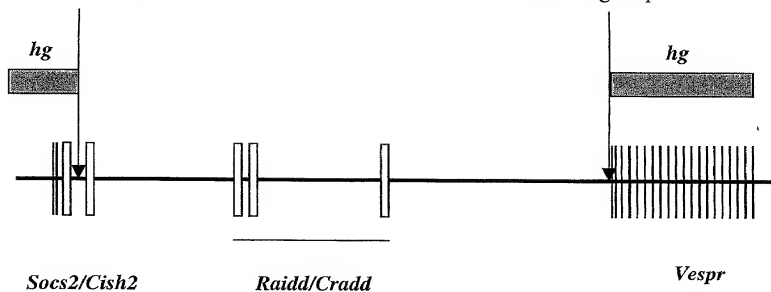


Fig. 13

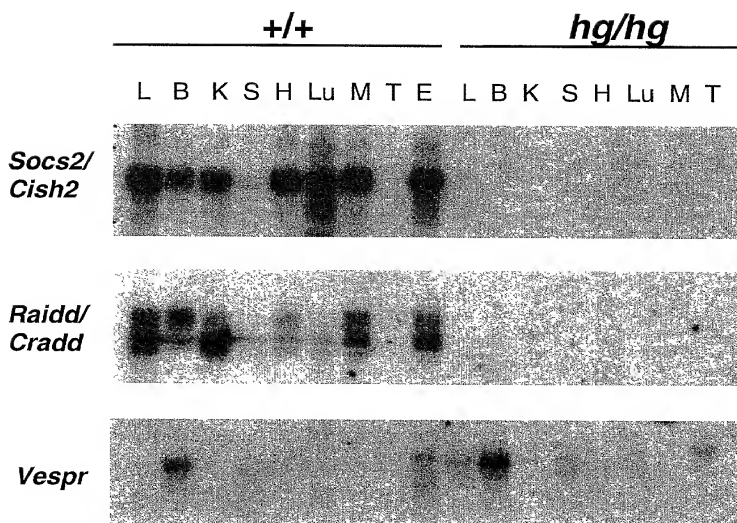


Fig. 14